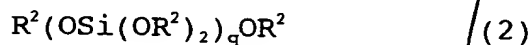


ABSTRACT

A glassy-film-forming coating agent comprising compounds represented by the following general formulae (1), (2) and (3):



wherein R^1 is a polymerizable organic group, R^2 is an alkyl group having not more than 4 carbon atoms, R^3 is an alkyl group having not more than 6 carbon atoms, p is an integer of 1 to 3, q is an integer of 1 to 10, M is a trivalent or tetravalent metal ion, and r is an integer of 3 or 4 corresponding to the valence of M , provided that, when one of the compounds contains two or more R^1 's, R^2 's or R^3 's, they may be the same or different; a coating method and a coating system using the same.

The present invention provides a coating agent useful for forming a glassy film which has sufficiently high flexibility and which hardens rapidly with its thickness in the order of microns being well controlled, the hardened film showing high adhesion to a substrate and excellent organic solvent resistance. The present invention also provides a glassy-film-coating method and system using this coating agent.